

## Pat nt Abstracts of Japan

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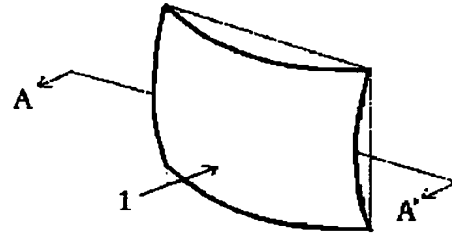
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APPLICANT : SUMITOMO CHEM CO LTD;

INVENTOR : YASUNORI YUKIO;

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TITLE : FRONT PLATE FOR PLASMA DISPLAY



**ABSTRACT :** **PROBLEM TO BE SOLVED:** To reduce deformation due to a temperature difference on top and back surfaces of a front plate and prevent visibility of image from being marred by employing a translucent resin plate having average light beam transparency in a specific wavelength is higher than a specific % and curving this translucent resin plate.

**SOLUTION:** A material of translucent resin plate employed for a front plate 1 includes an acrylic resin, a polycarbonate resin or the like, and the acrylic resin is optimal because of easiness of processing. A translucent resin plate having average light beam transparency in a wavelength of 450 nm to 650 nm more than 50% is employed. A curved shape of the front plate 1 is shaped in a single or plural curves in which a floating quantity at a center part is within 3 mm to 30 mm utilizing flexibility of the translucent resin plate and using a method of forcible bending processing for forcibly curving the plate at room temperature or the like. Further, when an electromagnetic wave or a short infrared ray generated from a plasma display is shielded as an additional function, an electromagnetic shield layer or a short infrared-ray absorption layer is formed.

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